

the term for reply extended three months, making this Amendment due April 12, 2001, please amend this application as follows:

**IN THE CLAIMS:**

Please cancel claims 6-15, without prejudice, and add new claims 16-25 as

follows:

-- 16. A toner for developing an electrostatically charged copier or printer image using a heat roller fixing means, the toner consisting essentially of:

- a) a binder resin;
- b) a colorant; and
- c) a charge control agent,

wherein the binder resin includes a polyolefin resin having a cyclic structure, wherein the polyolefin resin is a copolymer derived from an alpha-olefin, an alicyclic compound having a double bond and, optionally, a diene monomer.

17. A toner for developing an electrostatically charged copier or printer image using a heat roller fixing means, the toner consisting essentially of:

- a) a binder resin;
- b) a colorant; and

c) a charge control agent,

the binder resin further comprises a polyolefin resin having a cyclic structure having:

- (i) a low-viscosity resin with a number average molecular weight ( $M_n$ ) of 1000 to 7500 and a weight average molecular weight ( $M_w$ ) of 1,000 to 15,000, as measured by GPC, an intrinsic viscosity (i.v.) of less than about 0.25 dl/g, and a heat distortion temperature (HDT) by DIN53461-B of lower than 70°C; and
- (ii) a high-viscosity resin having a number average molecular weight of at least 7,500 and a weight average molecular weight of at least 15,000, as measured by GPC, an i.v. of about 0.25 dl/g or more, and an HDT of 70°C or higher;

wherein the polyolefin resin is a copolymer derived from an alpha-olefin, an alicyclic compound having a double bond and, optionally, a diene monomer.

18. A toner for developing an electrostatically charged copier or printer image using a heat roller fixing means, the toner consisting essentially of:

- a) a binder resin;
- b) a colorant; and
- c) a charge control agent,

the binder resin further comprises a polyolefin resin having a cyclic structure having:

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E1  
Cont'd
- (i) a low-viscosity resin having a number average molecular weight ( $M_n$ ) of 3,000 to 7,500 and a weight average molecular weight ( $M_w$ ) of 4,000 to 15,000, as measured by GPC, an intrinsic viscosity (i.v.) of less than about 0.25 dl/g, and a heat distortion temperature (HDT) by DIN53461-B of lower than 70°C, and
  - (ii) a high-viscosity resin having a number average molecular weight of 7,500 to 50,000 and a weight average molecular weight of 15,000 to 100,000, as measured by GPC, an i.v. of about 0.25 dl/g or more, and an HDT of 70°C or higher;

wherein the polyolefin resin is a copolymer derived from an alpha-olefin, an alicyclic compound having a double bond and, optionally, a diene monomer.

19. The toner according to claims 17 or 18, wherein the  $M_w/M_n$  ratio, used as a measure of the degree of dispersion of molecular weight distribution, is from about 1 to 2.5.

20. The toner according to claims 16, 17 or 18, wherein the toner is in a monodisperse state.

D1  
Cont'd

21. The toner according to claims 16, 17 or 18, wherein the alpha olefin, from which the copolymer is derived, is ethylene.

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E2  
22. The toner according to claims 16, 17 or 18, wherein the binder resin includes a polyolefin resin with a cyclic structure having an intrinsic viscosity (i.v.) of about 0.25 dl/g or more, a heat distortion temperature (HDT) by DIN53461-B of about 70°C or higher, and a number average molecular weight of 7,500 or more and a weight average molecular weight of 15,000 or more, as measured by GPC, which is contained in a proportion of less than about 50% by weight based on the entire binder resin.

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23. The toner according to claims 16, 17 or 18, wherein the binder resin consists of 1 to 100 parts by weight of a polyolefin resin having a cyclic structure, and 0 to 99 parts by weight of at least one resin selected from the group consisting of polyester resins, epoxy resins, polyolefin resins, vinyl acetate resins, vinyl acetate copolymer resins, acrylate resins and styrene-acrylate resins.

Sub  
E2  
24. The toner according to claims 16, 17 or 18, wherein the polyolefin resin having a cyclic structure with at least one functional group selected from the group consisting of a carboxyl group, a hydroxyl group and an amino group.

25. The toner according to claims 16, 17 or 18, wherein the polyolefin resin having a cyclic structure further comprising a carboxyl group is cross-linked by metal ions or dienes. - -